

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	M109205	Client:	Alaskan Copper Works
Date Received:	11/30/06	Project:	PO# M109205, F&BI 611341
Date Extracted:	12/05/06	Lab ID:	611341-01 10x
Date Analyzed:	12/05/06	Data File:	611341-01 10x.013
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	btb

Internal Standard:	% Recovery:	Lower	Upper
Germanium	93	Limit:	Limit:
		60	125

Analyte:	Concentration ug/L (ppb)
Chromium	864
Nickel	891
Copper	539
Zinc	12.7

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Alaskan Copper Works
Date Received:	Not Applicable	Project:	PO# M109205, F&BI 611341
Date Extracted:	12/05/06	Lab ID:	I6-434 mb
Date Analyzed:	12/05/06	Data File:	I6-434 mb.008
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	btb

Internal Standard:	% Recovery:	Lower	Upper
Germanium	90	Limit:	Limit:
		60	125

Analyte:	Concentration ug/L (ppb)
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Chromium	<1
Nickel	<1
Copper	<1
Zinc	<1

FRIEDMAN & BRUYA, INC.**ENVIRONMENTAL CHEMISTS**

Date of Report: 12/07/06

Date Received: 11/30/06

Project: Metro Self Monitor, PO# M109205, F&BI 611341

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF WATER SAMPLES
FOR TOTAL METALS BY EPA METHOD 200.8**

Laboratory Code: 611326-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	ug/L (ppb)	13.7	13.6	1	0-20
Nickel	ug/L (ppb)	4.49	4.25	5	0-20
Copper	ug/L (ppb)	258	243	6	0-20
Zinc	ug/L (ppb)	908	891	2	0-20

Laboratory Code: 611326-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Chromium	ug/L (ppb)	20	13.7	100 b	50-150
Nickel	ug/L (ppb)	20	4.49	100 b	50-150
Copper	ug/L (ppb)	20	258	47 b	50-150
Zinc	ug/L (ppb)	50	908	92 b	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	ug/L (ppb)	20	96	70-130
Nickel	ug/L (ppb)	20	96	70-130
Copper	ug/L (ppb)	20	100	70-130
Zinc	ug/L (ppb)	50	116	70-130

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
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e-mail: fbi@isomedia.com

December 7, 2006

DUPLICATE COPY

INVOICE # 06ACU1207-1

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M109205, F&BI 611341 - Results of testing
requested by Gerry Thompson for material submitted on November 30, 2006.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc by Method 200.8 @ \$80 per sample	\$ 80.00
Rush Charges (72 hr) 75% of \$80.00	<u>60.00</u>
Amount Due	\$ 140.00

FEDERAL TAX ID # (b) (6)

SAMPLE CHAIN OF CUSTODY

ME 11/30/06

A14

611341

Send Report To Genel Thompson
 Company ALAS/Am Copper Works
 Address 628 S. Alford St
 City, State, ZIP Seattle WA 98134
 Phone # 328-8779 Fax # 382-4309

SAMPLERS (signature)

Page # _____ of _____

PROJECT NAME/NO.

PO #

Metro Self monitor

M109205

REMARKS

Fax Results

TURNAROUND TIME

☐ Standard (2 Weeks)☒ RUSH

Rush charges authorized by: _____

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED										Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	701, Cu, Ni, Zn				
m109205	01	11/30	11:30	H2O	1											

Friedman & Bruya, Inc.
 3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COC\COC.DOC

SIGNATURE

PRINT NAME

COMPANY

DATE

TIME

Relinquished by:

Received by:

Relinquished by:

Received by:

G. Thompson

Michael Erlich

ALW

F&B

11/30

L

12:30

L

Samples received at 16 °C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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December 7, 2006

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on November 30, 2006 from the Metro Self Monitor, PO# M109205, F&BI 611341 project. There are 3 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
ACU1207R